

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions, and listing of claims in the application:

LISTING OF CLAIMS:

1. (Currently amended) A bluetooth earphone module with audio player function, comprising:

a housing;

a digital signal processing (DSP) unit disposed within the housing and processing [[a]] digital signals;

a bluetooth module disposed within the housing and receiving a remote data signal and replying with a modulation signal;

a voice transmission and encoder/decoder unit disposed within the housing and connected to the DSP unit and the bluetooth module for encoding/decoding voice and converting digital/analog messages;

an audio player decoder disposed within the housing and connected to the DSP unit for decoding ~~the~~ an audio player compressed digital file into an analog voice signal;

a voice output unit disposed within the housing and connected to the voice transmission and encoder/decoder unit and the audio player decoder for providing an aural output to a user; and

a microphone disposed within the housing and connected to the voice transmission and encoder/decoder unit.

2. (Cancelled).

3. (Currently amended) The bluetooth earphone module of claim 1, wherein the memory ~~unit~~ card is a flash memory.

4. (Currently amended) The bluetooth earphone module of claim 1, ~~wherein~~ further comprising an input unit ~~is~~ disposed within the housing and connected to the DSP unit for controlling the DSP unit with a control signal.

5. (Original) The bluetooth earphone module of claim 1, wherein the voice output unit is an earphone.

6. (Original) The bluetooth earphone module of claim 1, further comprising an ancillary earphone connected to the voice transmission and encoder/decoder and the audio player decoder.

7. (Currently amended) The bluetooth earphone module of claim 1, further comprising a reader unit disposed within the housing and connected to the DSP

unit, and a memory card having at least one audio player compressed digital file removably inserted in the reader unit, and the reader unit being controlled by the DSP unit for accessing the audio player compressed digital data of file in the memory card.

8. (Currently amended) The bluetooth earphone module of claim [[7]] 12, wherein the memory unit includes a reader unit and a memory card is removably connected to the reader unit.

9. (Currently amended) The bluetooth earphone module of claim [[7]] 8, wherein the memory card is a flash memory.

10. (Currently amended) The bluetooth earphone module of claim 7, wherein the memory card is one of an MS (Memory Stick) card, a CF (Compact Flash) card, an SMC (Smart Media) card, an MMC (Multi Media) card or an SD (Secure Digital) card.

11. (New) The bluetooth earphone module of claim 1, wherein the bluetooth module communicates with a remote bluetooth cell phone.

12. (New) A bluetooth earphone module with audio player function, comprising:

a digital signal processing (DSP) unit for processing digital signals;

a memory unit having at least one audio player compressed digital file stored therein being connected to the DSP unit;

a bluetooth module for receiving a remote data signal and replying with a modulation signal;

a voice transmission and encoder/decoder unit connected to the DSP unit and the bluetooth module for encoding/decoding voice and converting digital/analog messages;

an audio player decoder connected to the DSP unit for decoding the audio player compressed digital file into an analog voice signal;

a voice output unit connected to the voice transmission and encoder/decoder unit and the audio player decoder for providing an aural output to a user; and

a microphone connected to the voice transmission and encoder/decoder unit.

13. (New) A bluetooth earphone module with audio player function, comprising:

a digital signal processing (DSP) unit processing digital signal;

a reader unit connected to the DSP unit and a memory card removably coupled to the reader unit, and controlled by the DSP unit for accessing an audio player compressed digital file stored in the memory card;

a bluetooth module receiving a remote data signal and replying with a modulation signal;

a voice transmission and encoder/decoder unit connected to the DSP unit and the bluetooth module for encoding/decoding voice and converting digital/analog messages;

an audio player decoder connected to the DSP unit for decoding the audio player compressed digital file into an analog voice signal;

a voice output unit connected to the voice transmission and encoder/decoder unit and the audio player decoder; and

a microphone connected to the voice transmission and encoder/decoder unit.